

CLAIMS

What is claim is:

1. A data storage method, which is applicable to a computer device having a RTC (real-time clock) unit, comprising the steps of:

5 (1) determining if a memory unit of the computer device has enough capacity for data storage when the computer device receives data and an inputted request for storing the data; if no, prompting an error message to a user and terminating a data storage process; if yes, proceeding to step (2);

10 (2) reading the RTC unit via the computer device to obtain a time value of a particular date when the data are received;

(3) determining if the memory unit of the computer device performs data storage operation on the particular date; if no, setting an identification value to be 1, and proceeding to step (5); if yes, obtaining an identification value of the latest processed data folder on the particular date, and proceeding to step (4);

15 (4) adding the obtained identification value by 1 via the computer device; and

(5) using the time value from the RTC unit and the identification value from the step (3) as a name for a folder to be created, and completely storing the data in the memory unit via the computer device.

2. The data storage method of claim 1, wherein the computer device is selected from the group consisting of a desktop personal computer (PC), notebook computer, digital camera, digital voice/video recorder, mobile phone, multimedia player, and personal digital assistant (PDA).

3. The data storage method of claim 1, wherein the memory unit is a hard disk (HDD) or memory card.

25 4. The data storage method of claim 1, wherein the data received by the computer device are from a HDD or memory card.

5. The data storage method of claim 1, wherein in the step (5), the time value from the RTC unit and the identification value from the step (3) are used as a name for a created folder,

allowing the data to be stored in this folder.

6. The data storage method of claim 3, wherein the memory card is selected from the group consisting of a CF (CompactFlash) card, PCMCIA (Personal Computer Memory Card International Association) card, SD (secure digital) card, MS (memory stick) card, and

5 SMC (smart media card).

7. The data storage method of claim 4, wherein the memory card is selected from the group consisting of a CF card, PCMCIA card, SD card, MS card, and SMC.

8. The data storage method of claim 1, wherein in the step (5), the time value from the RTC unit and the identification value from the step (3) are used as a name for a data file to be

10 stored in the computer device.